

In the Claims:

Please amend the claims as follows:

We claim:

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Previously Presented) A draft inducer system comprising:

a voltage reducer capable of converting an input AC voltage to a reduced voltage,
the voltage reducer comprising:

a reducer housing;

a set of prongs extending from the reducer housing, the set of prongs
capable of plugging into an AC outlet; and

an output interface capable of delivering the reduced DC voltage,

the system also including an inducer unit capable of being coupled with the output
interface, the inducer unit comprising:

a unit housing;

an air moving device within the unit housing; and

a mixing chamber formed by the unit housing, the mixing chamber having an exhaust
input to receive exhaust from a burning fuel, the mixing chamber also having an ambient
air input for receiving ambient air, the ambient air mixing with the exhaust in the mixing
chamber to produce mixed air, the mixing chamber also having a mix output capable of
directing the mixed air from the mixing chamber wherein the voltage reducer includes a
cord that terminates at the output interface, the output interface being removably
coupleable with the inducer unit.

6. (Previously Presented) A draft inducer system comprising:
a voltage reducer capable of converting an input AC voltage to a reduced voltage,
the voltage reducer comprising:
a reducer housing;
a set of prongs extending from the reducer housing, the set of prongs
capable of plugging into an AC outlet; and
an output interface capable of delivering the reduced DC voltage,
the system also including an inducer unit capable of being coupled with the output
interface, the inducer unit comprising:
a unit housing;
an air moving device within the unit housing; and
a mixing chamber formed by the unit housing, the mixing chamber having an exhaust
input to receive exhaust from a burning fuel, the mixing chamber also having an ambient
air input for receiving ambient air, the ambient air mixing with the exhaust in the mixing
chamber to produce mixed air, the mixing chamber also having a mix output capable of
directing the mixed air from the mixing chamber wherein the inducer unit includes
rectification circuitry to produce a substantially DC input voltage from the reduced
voltage.

7. (Previously Presented) The system as defined by claim 16 further including a hot
water heater, the unit housing being mounted to the hot water heater, the hot water heater
burning the fuel to produce the exhaust.

8. (Cancelled)

9. (Previously Presented) The draft inducer as defined by claim 16 further including
a switch between the input and the output, the switch being configured to provide a closed
circuit when the air moving device is operating at least at a predefined speed.

10. (Previously Presented) The draft inducer as defined by claim 16 wherein the switch is configured to provide an open circuit when the air moving device is operating below the predefined speed, the open circuit preventing power from being delivered from the output.

11. (Cancelled)

12. (Previously Presented) A draft inducer for controlling the exhaust of a fuel burning system, the fuel burning system igniting to burn fuel after control circuitry that is a part of the system is energized, the draft inducer system including:

- an input for receiving power;

- an air moving device energized by power received from the input;

- an output for selectively delivering the power to the control circuitry, the control circuitry being energized by the power received via the output,

- the output switching the power to the control circuitry on and off as a function of the rotational speed of the air moving device; and

- a switch coupled between the input and the output, the switch being configured to provide a closed circuit at least a part of the time when the temperature of the mixture does not exceed a predetermined value;

wherein the fuel burning system produces an exhaust gas, the draft inducer mixing air with the exhaust gas to produce a mixture.

13. (Original) The draft inducer as defined by claim 12 wherein the switch is configured to provide an open circuit when the temperature of the mixture exceeds the predetermined value, the open circuit preventing power from being delivered from the output.

14. (Previously Presented) The draft inducer as defined by claim 12 wherein the air moving device includes a DC blower.

15. (Previously Presented) The draft inducer as defined by claim 12 further including a housing containing the air moving device.

16. (Previously Presented) A draft inducer for controlling the exhaust of a fuel burning system, the fuel burning system igniting to burn fuel after control circuitry that is a part of the system is energized, the draft inducer system including:

an input for receiving power;

an air moving device energized by power received from the input;

an output for selectively delivering the power to the control circuitry, the control circuitry being energized by the power received via the output,

the output switching the power to the control circuitry on and off as a function of the rotational speed of the air moving device further including a voltage reducer capable of reducing an input AC voltage to a reduced voltage, the voltage reducer having a reducer housing and a set of prongs extending from the housing, the set of prongs being capable of plugging into an AC outlet, the voltage reducer also having an output interface capable of delivering the reduced voltage to the input; and

a housing containing the air moving device.

17. (Previously Presented) The draft inducer as defined by claim 16 further including a processor that detects the rotational speed of the air moving device, the processor producing a power signal when the air moving device rotates at a predetermined rotational speed, generation of the power signal causing the output to deliver power to the control circuitry.

18. (Cancelled)

19. (Cancelled)

20. (Cancelled)

21. (Cancelled)